

## Special Collection Service

### Pacific SIGDEV Conference March 2011

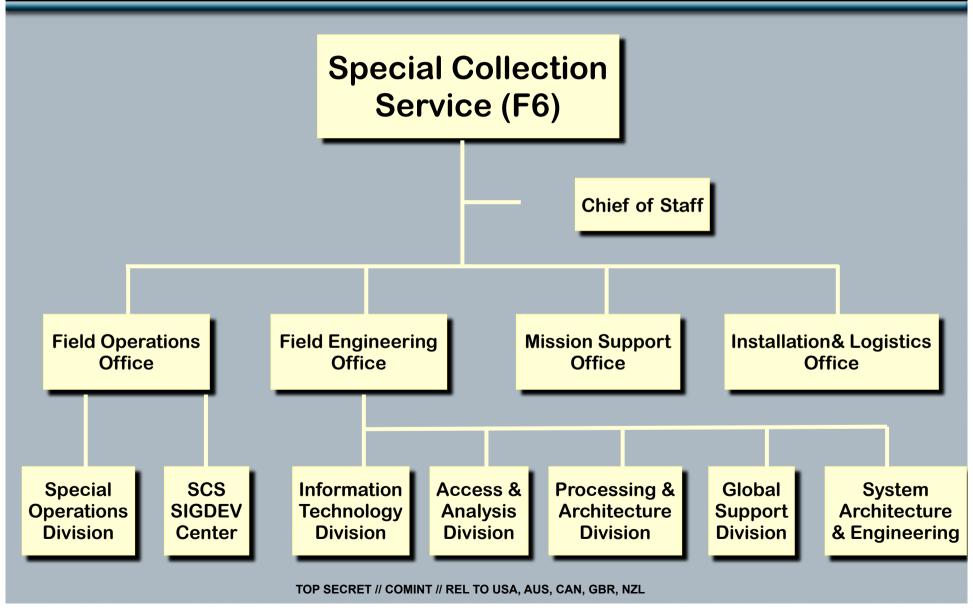
The Overall Classification of this Briefing:

TOP SECRET//COMINT//REL USA, AUS, CAN, GBR, NZL

Derived From: NSA/CSSM 1-52 Dated: 20070108

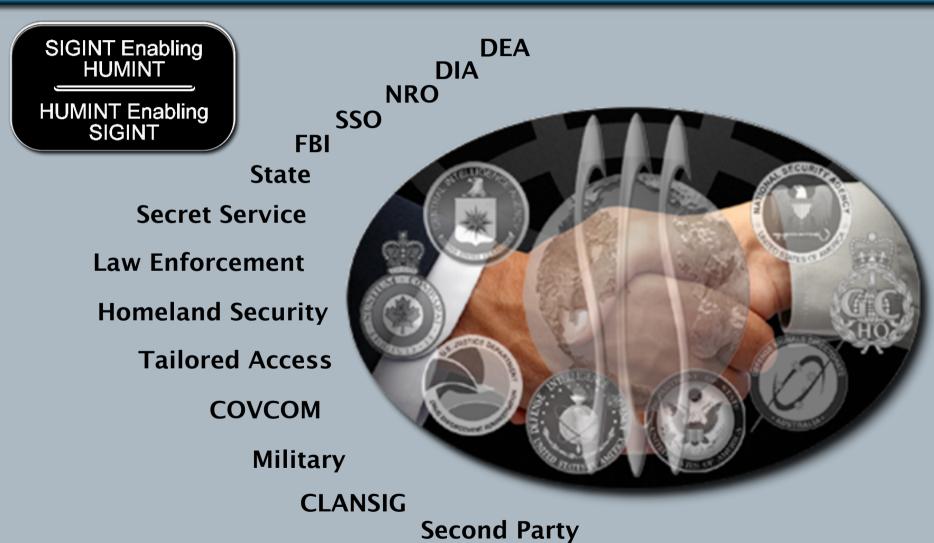


### SCS Organization





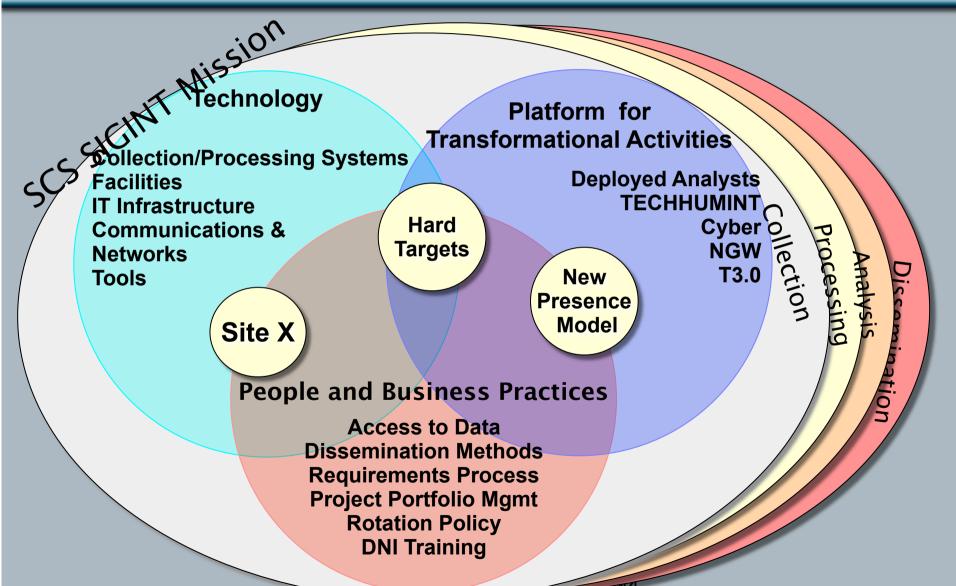
# Strategic Partnerships



TOP SECRET // COMINT // REL TO USA, AUS, CAN, GBR, NZL



# SCS Modernization





#### Overview

- Unified IT Core and Virtualization
- Cloud Computing
- Global Situational Awareness
- Beyond Traditional Accesses
- Coherent Digital Access
- Empowering Automation
- The SCS Cyber Advantage



### **Unified IT Core**

#### IT Services, IT Infrastructure

- Capability Improvements:
  - Modern IT services and infrastructure to support a net-centric operational model and enhance maintenance and security
- Capability Change:
  - Rapid response SIGINT presence
  - Next generation virtual infrastructure
  - Diversified WAN topology, enhanced LAN
  - Enhanced interoperable desktop
  - Improved email service
  - Workforce mobility
  - Robust collaboration environment
  - Site destruct enabler

# EINSTEIN/CASTANET







TOP SECRET // COMINT // REL TO USA, AUS, CAN, GBR, NZL

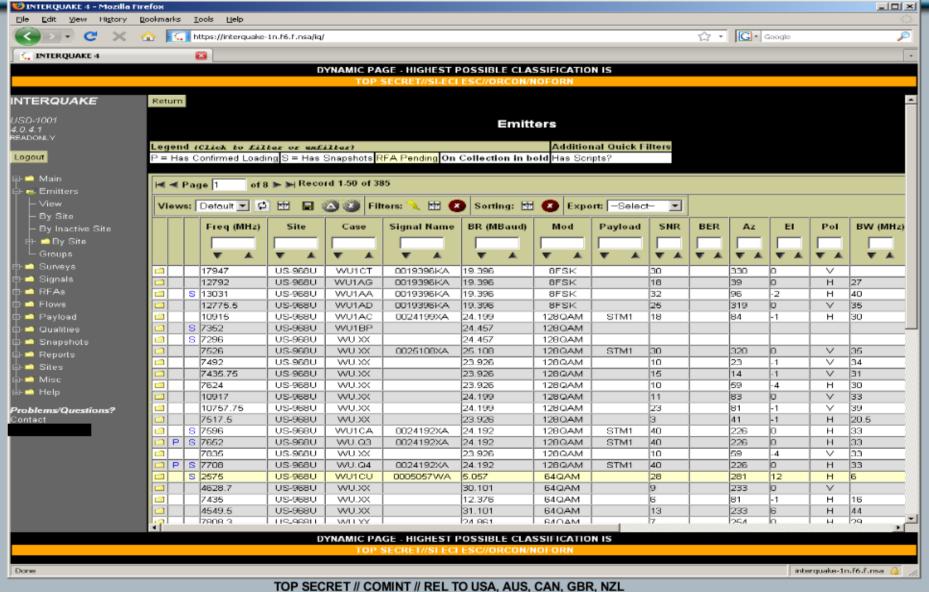


## INTERQUAKE

- Terrestrial Environmental Knowledge Base
  - Available to all NSA analysts and partners
- PANOPLY populates IQ with Emitter information and reports including:
  - Signal Externals
  - Radio and Payload information
  - LACs and Cell ID's
  - Protocol Stacks



## INTERQUAKE





### CES/SSC/AAD VPN "Surge"

- Main Goal:
  - To evaluate SCS VPN access and analysis to determine better methods of identifying and exploiting networks of interest.
- Two Focuses:
  - What can we do with VPN data that is already ingested into the system?
    - Find better methods of reporting VPN stats and exploitation determinations from CES back to SSC and site.
  - Are there methods to better identify and survey VPN's to provide CES the data they need?
    - Can we leverage MIRROR, DARKQUEST, PANOPLY survey information to quickly identify and report the presence of VPN's in surveyed signals?
    - Can we use BIRDWATCHER or other means to automatically resurvey for key exchanges and obtain paired collect?

# The SCS Cyber Advantage

Broad Spectrum of Capability

Geographic Advantage

Signal Access

Analysis

Dissemination

Mission

#### SIGINT prowess provides cyber advantage

Unified operations provides holistic approach
The right intelligence delivered to the right customer

#### Home field advantage in adversary's space

Where our customers want us and our adversaries do not Capitalizing on the "element of surprise"

#### Signal access for collection, exfil, and infil

Microwave, WiFi, WiMAX, GSM, CDMA, Satellite, etc.

#### Living in the environment

Insights on infrastructure and configurations
Discovery of targets, signatures, and behavior

#### Tailored intelligence products

Diverse products driven by national objectives and local needs through formal reporting, target packages, analytic insights, situational awareness, threat warning

## Unique platform for conducting and enabling IC operations

Fully leveraging 30-years of experience within the NSA and CIA enterprises and using existing authorities

